



Above Ground level
municipal air
scrubbing intake gills

Ordinary street light with LED

City flora
currently provide
inadequate
carbon absorption

Thin inconspicuous urban
Intake gill
Potentially add a
culturally significant
aesthetically pleasing
artistic housing

City air

Internal air duct runs
unseen through post

Conveys air below
ground

Ground level

Streetlight electricity
conduit

Gravity driven sewer/
stormwater pipeline

One way air valve

Air valve closes and
traps air inside
chamber while the
chamber is filling up
with liquid. Air
already inside is
diverted downstream

Air valve opens when
siphon is activated,
pulling city air into
chamber while the
siphon empties the
chamber

Sewer/stormwater
Bell Siphon

Bell siphon drives air
intake pressure and
liquid weight drives
air/liquid mix to city
treatment plant for
treatment.

Blue arrow: Air flow
White arrow: Liquid flow direction

City treatment plant fitted
with air treatment reactor